**Lesson 6: Color Spaces and Conversions**

🌈 **Convert to grayscale**:

gray = cv2.cvtColor(image, cv2.COLOR\_BGR2GRAY)

🎯 **Convert to HSV (Hue, Saturation, Value)**:

hsv = cv2.cvtColor(image, cv2.COLOR\_BGR2HSV)

🔵 Other conversions:

hsv = cv2.cvtColor(image, cv2.COLOR\_BGR2HSV)

🧪 Try this:

* Convert an image to grayscale and apply a threshold.
* Convert to HSV and extract only red regions.